DSC-F717

Cyber-shot®
Digital Still Camera

With its Carl Zeiss® lens, 5 Megapixel resolution, advanced camera control technology and intuitive interface, the DSC-F717 is a digital camera of extraordinary performance and flexibility. From its unique low light shooting capabilities to its superb image quality, the DSC-F717 helps you capture a new level of digital imaging possibilities.

FEATURES

➤2/3" 5.0 Megapixel Super HAD™ CCD

Effective 5.0 MEGA PIXELS

Super HAD (Hole Accumulation Diode) CCDs provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.

➤Carl Zeiss® Vario-Sonnar® Lens

Carl Zeiss

Famous for sharpness & color accuracy, the Vario-Sonnar 5X Optical zoom lens features 13 elements in 10 groups with 2 aspheric elements and 6 blade aperture. Its fast f2.0 aperture is great for low light shooting.

5 Area Multi-Point Auto Focus

Multi Point AF

Evaluating 5 separate areas of the frame, Sony's Multi-Point AF system intelligently focuses on the subject, and displays the selected focus point. Alternately, choose any of the 5 points for manual control.

➤Manual Focus/Zoom Ring

Manual Focus Ring

Take precise control of zoom and manual focus with the lens mounted ring. Fast, intuitive framing is easy with its natural "feel", and two speed action.

Hologram AF™ Illuminator

Hologram AF

Projecting a Class 1 laser pattern, Hologram AF reads the contrast between the pattern's edge and the subject for precise focus, even in low or no light.

Multi-Pattern Measuring

Multi Pattern Measuring

Independently light-metering 49 points of the frame, Multi-Pattern Measuring determines the optimum exposure, even when highlight and shadow are randomly distributed.

Pre-Flash Metering

With a momentary pre-flash, the camera illuminates the subject and calculates exposure through the lens directly from the CCD for accurate flash metering. Adjustable flash level and red-eye reduction insure great flash shots.

➤ STEP-UP FEATURE

Memory Stick® Media

MEMORY STICK

Digital. Powerful. Transportable.™ Memory Stick media is compact, portable and rugged – connecting a variety of hardware and software applications.

14-Bit DXP A/D Conversion

14 bit DXP

Sony's 14-bit **D**igital E**X**tended **P**rocessor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

Slow Shutter Noise Reduction

NR Slow Shutter

At shutter speeds 1/25 sec. and longer, Slow Shutter NR captures the scene, and then the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.

➤Dynamic White Balance

Accurate color balance under changing lighting and exposure settings is realized by linking the White Balance to the Exposure and Flash systems. Manual setting allows calibration with white card.

Manual Exposure Controls

Manual Exposure

Flexible Exposure control is provided with Aperture Priority (f2 – 8), Shutter Priority (30 sec–1/1000 sec) and Manual Exposure modes. EV Compensation and flash output level allow fine tuning.

Live Histogram Display

Available for capture and playback, the live histogram displays number of pixels at each luminosity to evaluate exposure.

➤Eye-level & 1.8" LCD Viewfinders

For accurate framing and following fast action, both the 180K pixel eye-level finder and 1.8" 123K pixel LCD provide through-the-lens viewing & menu display.

➤Quick Start-up and Response

Ready to shoot in little more than a second, the DSC-F717 reduced shutter lag and extraordinary responsiveness is always ready to capture the action.

5 MP (2560x1920) Image Size

With its high resolution CCD, the DSC-F717 captures in 4 different image sizes, in TIFF or Fine/Standard JPEG modes.

NightShot® Infrared System

NightShot

Capture infrared digital images in total darkness at up 15 feet. By illuminating the subject with infrared light and removing the CCD's IR cut filter, the NightShot® system makes infrared digital imaging a reality.

NightFraming System

NightFraming

To capture beautiful color images in low or no light, NightFraming illuminates the subject with the NightShot® system for proper framing, focuses with Hologram AF and lights the scene with flash.

File Folder Tool

By creating separate folders on Memory Stick media, you can select the location in which to record your images, helping organize your files.

MPEG Movie HQX Mode

MPEG MOVIE HQX

Captures full frame playback, high frame rate (16 fps) video clips (w/audio) with length limited only by the capacity of the media.

Multi Burst Mode

Multi Burst

Captures 16 320x240 frames as part of a single 1280x960 image which plays back sequentially in the camera. Selectable 1/7.5, 1/15 or 1/30 second frame intervals provide convenient motion analysis.

Hot Shoe and ACC Terminal

Connect Sony's HVL-F1000 flash or Remote Controls with ACC Terminal, or synchronize other flash units or studio lighting with the Hot Shoe terminal.

Rechargeable InfoLithium® Battery

Provides reliable, long-lasting power for continuous shooting, without "memory effect". AC-L10 adapter/charger provides stable power for USB transfer.

DSC-F717

ADDITIONAL FEATURES

- Clear Color/Clear Luminance NR
- 4 Mode Intelligent Flash with Red-Eye Reduction
- 3 Shot Burst mode
- 3 Shot AE Bracketing mode
- Clip Motion Mode
- MPEG1 Cue, Review and Divide Editing
- 3:2 Aspect Ratio Mode
- Video Output (PAL/NTSC Selectable)
- 3 Mode In-Camera Picture Effects
- Expanded Focus Indicator Magnifier
- Rotating Lens

SPECIFICATIONS

Imager: 2/3" 5.0 Megapixel Effective Super HAD™ CCD (5.2 Megapixel Gross)
Recording Media: Memory Stick® Media, Memory Stick PRO™ Media
Zoom: 5X Optical/2X Digital/10X Total
Filter Diameter: 58mm
Focal Length: 9.7 – 48.5mm
35mm Equivalent: 38 – 190mm
Aperture: f2.0-2.4
Focus: 5 Area Multi-point AF, Continuously Variable Manual Ring
Minimum Focus Distance: 0.8" (2 cm) Macro Mode, 19.7" (50 cm) Normal
Macro: Yes, selectable
Shutter Speed: Auto, 1/30 – 1/2000 sec, Manual 30 sec – 1/1000 sec
Manual Exposure: ±2.0 EV, 1/3 EV steps
Color LCD: 1.8" 123K Pixels Low Temperature Polysilicon TFT
Eye-level LCD Finder: 180K Pixel Polysilicon TFT w/Diopter Adjust
Flash Modes: Auto/Forced On/Forced Off
Red-eye Reduction: On/Off
Flash Effective Range: 1 – 14' 9" ft (0.3 – 4.5m)
Flash Shoe/Terminal: Hot Shoe, ACC Terminal
White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent/Manual
Picture Effects: Solarize, Sepia, Negative Art
ISO: Auto, 100, 200, 400, 800
Scene Modes: Twilight, Twilight Portrait, Landscape, Portrait
Self Timer: Yes, 10 Seconds
Audio/Video Out: Yes, NTSC/PAL selectable
Erase/Protect: Yes
Date/Time Stamp: Yes
Slide Show Mode: Yes
Still Image Modes: JPEG (fine), JPEG (standard), TIFF, Email
MPEG Movie Modes: MPEG HQX (320x240, 16fps, Full Screen playback)
MPEG EX Presentation (320x240, 8fps)
MPEG EX Video Mail (160x112, 8 fps)
Clip Motion: Normal (160x120), Mobile (80x72)
Microphone/Speaker: Yes/Yes
USB Terminal: Yes (2.0 High Speed Capable)
Memory Stick PRO™ Media Compatibility: Tested to support up to 1GB media capacity; does not support high speed transfer function; does not support Access Control security function

JPEG Still Image Mode

Fine/Standard Picture Quality

Memory Stick® Media[1]	2560x1920 (5MP)	2560x1712 (3:2)	2048x1536 (3MP)	1280x960 (1MP)	640x480 (VGA)
16MB	6/11	6/11	10/18	24/46	97/243
32MB	12/23	12/23	20/37	50/93	196/491
64MB	25/48	25/48	41/74	101/187	394/985
128MB	51/96	51/96	82/149	202/376	790/1,975
Memory Stick PRO™ Media[1]					
256MB	92/174	92/174	146/264	357/649	1428/3571
512MB	188/354	188/354	302/537	726/1,320	2,904/7,261
1GB	384/723	384/723	617/1,097	1482/2,694	5,928/14,821

MOTION CAPTURE MODES

Maximum Recording Time (minutes/seconds)

	MPEG Movie		Clip Motion (Images)		16 Frame Multi-Burst
Memory Stick® Media	320x240 (HQX Mode)	160x112 (Mail Mode)	160x112 (Normal-10f)	80x72 (Mobile-2f)	1280x960 (Fine/Std)
16MB	42sec	11m 13s	88	486	24/46
32MB	87sec	22m 43s	178	982	50/93
64MB	176sec	45m 40s	358	1,971	101/187
128MB	5m 54s	91m 34s	718	3,951	202/376
Memory Stick PRO™ Media					
256MB	10m 41s	165m 35s	1,190	3,571	357/649
512MB	21m 44s	336m 43s	2,420	7,261	726/1,320
1GB	44m 23s	687m 19s	4,940	14,821	1,482/2,694

Supplied Software: Pixela™ Image Mixer Software for Sony v1.0, USB Driver
OS Compatibility: Microsoft® Windows® 98/98SE/Me/2000 Professional/XP Home/Pro; Macintosh® OS 8.5.1/8.6/9.0/9.1/9.2
Supplied Accessories: NP-FM50 InfoLithium® Rechargeable Battery, AC-L10 AC Adapter/In-Camera Charger, A/V and USB Cables, Lens Cap w/Strap, Shoulder Strap, 32MB Memory Stick® Media, Software CD-ROM
Dimensions (W/H/D): 4 3/4" x 2 3/4" x 6" (120 x 68 x 151mm)
Weight: 1 lb 8. oz (696g) w/Battery, Memory Stick® Media, Strap

OPTIONAL ACCESSORIES

- NP-FM50 InfoLithium® Battery
- MSA-16A/32A/64A/128A Memory Stick® Media
- MSX-256, MSX-512, MSX-1G Memory Stick PRO™ Media
- AC-SQ950D AC/DC Quick Charger/AC Power Supply
- ACC-CSFM Starter Kit (Case/Battery/Filter Kit)
- LCM-FX Deluxe Leather Case
- LCJ-FHA Deluxe Custom-Fit Case
- LCH-FHA Deluxe Hard Case
- VCL-MHG07A 0.6X Wide Conversion Lens
- VCL-HGD0758 0.7X Wide Conversion Lens
- VCL-HGD1758 1.7X Telephoto Conversion Lens
- LSC-H58A Lens Hood
- VF-58CPK Circular Polarizing Filter Kit
- HVL-F1000 Flash
- RM-DR1 Wired Remote Control
- VCT-D480RM Remote Control Tripod

SONY

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Non-metric weights and measures are approximate.
[1] Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions.